Immunology/Plant Pre-examination Checklist

Serial Number: 09674995

☐ **DISK TO STIC**
☐ **REQUEST TO STIC**

	N/A	YES	NO	
A. 1	☐	☒	☐	Sequence in Case
a.		☒	☐	Paper Copy of Sequence Present
b.		☒	☐	Statement that Disk and Paper Copy are the Same
2	☐	☒	☐	2964 CRF Entered
3	☐	☒	☐	Sequence Complies with Sequence Rules (If No see Attached Letter)
4	☐	☒	☐	CRF entered in parent
5	☐	☐	☒	Figures seen by draftsman
6	☐	☐	☒	Abstract
7	☐	☒	☐	Oath/Declaration in file
8	☐	☒	☐	Oath/Declaration signed by all applicants
9	☐	☒	☐	Oath/Declaration includes all residences
10	☐	☒	☐	Oath/Declaration includes Foreign continuity Data
11	☐	☐	☐	Oath/Declaration includes US continuity Data
12	☐	☐	☐	Corrected Filing Receipt Requested

B. Examiner — Please check to determine if the following are required:

1	☐	☐	☒	Restriction Requirement
2	☐	☐	☒	Sequences in claims not in compliance with sequence rules and may be required to search case

If any of part B above are necessary, please act on and complete within 15 days.

_____ Reviewers Name

c:\data\pre\lyn_exam_check

H5

Pq/09

RAW SEQUENCE LISTING   DATE: 06/12/2001
PATENT APPLICATION: **US/09/674,975**   TIME: 11:48:47

Input Set : **A:\sequence.app**
Output Set: **N:\CRF3\06122001\I674975.raw**

ENTERED

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 3 <110> APPLICANT: Agus, David B.
 4        Scheinberg, David
 5        Zelenetz, Andrew D.
 6        Roberts, Wendy
 8 <120> TITLE OF INVENTION: Compositions and Methods for Active Vaccination
10 <130> FILE REFERENCE: MSKP039US
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/674,975
C--> 13 <141> CURRENT FILING DATE: 2000-11-07
15 <150> PRIOR APPLICATION NUMBER: 60/084,870
16 <151> PRIOR FILING DATE: 1998-05-08
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 44
24 <212> TYPE: PRT
25 <213> ORGANISM: HUMAN
27 <220> FEATURE:
28 <223> OTHER INFORMATION: human CD20 fragment
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35              20                  25                  30
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38          35                  40
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44 <213> ORGANISM: Murine
46 <220> FEATURE:
47 <223> OTHER INFORMATION: murine CD20 fragment
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66 <223> OTHER INFORMATION: exon VI of human CD20 gene
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69 Val Lys Gly Lys Met Ile Met Asn Ser Leu Ser Leu Phe Ala Ala Ile
70  1               5                  10                  15
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72 Ser Gly Met Ile Leu Ser Ile Met Asp Ile Leu Asn Ile Lys Ile Ser
73   20   25   30
75 His Phe Leu Lys His Glu Ser Leu Asn Phe Ile Arg Ala His Thr Pro
76   35   40   45
78 Tyr Ile Asn Ile Tyr Asn Cys Glu Pro Ala Asn Pro Ser Glu Lys Asn
79   50   55   60
81 Ser Pro Ser Thr Gln Tyr Cys Tyr Ser Ile Gln Ser Leu Phe Leu
82   65   70   75
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 237
87 <212> TYPE: DNA
88 <213> ORGANISM: HUMAN
90 <220> FEATURE:
91 <223> OTHER INFORMATION: exon VI of human CD20 gene
93 <400> SEQUENCE: 4
94 gtcaaaggaa aaatgataat gaattcattg agcctctttg ctgccatttc tggaatgatt 60
95 ctttcaatca tggacatact taatattaaa atttcccatt ttttaaaaat ggagagtctg 120
96 aattttatta gagctcacac accatatatt aacatataca actgtgaacc agctaatccc 180
97 tctgagaaaa actccccatc tacccaatac tgttacagca tacaatctct gttcttg   237
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 1255
102 <212> TYPE: PRT
103 <213> ORGANISM: HUMAN
105 <220> FEATURE:
106 <223> OTHER INFORMATION: human Her2
108 <400> SEQUENCE: 5
109 Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Leu Ala Leu Leu
110   1   5   10   15
112 Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp Met Lys
113   20   25   30
115 Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met Leu Arg His
116   35   40   45
118 Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu Glu Leu Thr Tyr
119   50   55   60
121 Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln Asp Ile Gln Glu Val
122 65   70   75   80
124 Gln Gly Tyr Val Leu Ile Ala His Asn Gln Val Arg Gln Val Pro Leu
125   85   90   95
127 Gln Arg Leu Arg Ile Val Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr
128   100   105   110
130 Ala Leu Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro
131   115   120   125
133 Val Thr Gly Ala Ser Pro Gly Gly Leu Arg Glu Leu Gln Leu Arg Ser
134   130   135   140
136 Leu Thr Glu Ile Leu Lys Gly Gly Val Leu Ile Gln Arg Asn Pro Gln
137 145   150   155   160
139 Leu Cys Tyr Gln Asp Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn
140   165   170   175
142 Asn Gln Leu Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys

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143         180                 185                 190
145 His Pro Cys Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser
146         195                 200                 205
148 Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys
149     210                 215                 220
151 Ala Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys
152 225             230                 235                 240
154 Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu
155         245                 250                 255
157 His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val
158         260                 265                 270
160 Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro Glu Gly Arg
161     275                 280                 285
163 Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn Tyr Leu
164     290                 295                 300
166 Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln
167 305             310                 315                 320
169 Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys
170         325                 330                 335
172 Pro Cys Ala Arg Val Cys Tyr Gly Leu Gly Met Glu His Leu Arg Glu
173     340                 345                 350
175 Val Arg Ala Val Thr Ser Ala Asn Ile Gln Glu Phe Ala Gly Cys Lys
176     355                 360                 365
178 Lys Ile Phe Gly Ser Leu Ala Phe Leu Pro Glu Ser Phe Asp Gly Asp
179     370                 375                 380
181 Pro Ala Ser Asn Thr Ala Pro Leu Gln Pro Glu Gln Leu Gln Val Phe
182 385                 390                 395                 400
184 Glu Thr Leu Glu Glu Ile Thr Gly Tyr Leu Tyr Ile Ser Ala Trp Pro
185         405                 410                 415
187 Asp Ser Leu Pro Asp Leu Ser Val Phe Gln Asn Leu Gln Val Ile Arg
188     420                 425                 430
190 Gly Arg Ile Leu His Asn Gly Ala Tyr Ser Leu Thr Leu Gln Gly Leu
191     435                 440                 445
193 Gly Ile Ser Trp Leu Gly Leu Arg Ser Leu Arg Glu Leu Gly Ser Gly
194     450                 455                 460
196 Leu Ala Leu Ile His His Asn Thr His Leu Cys Phe Val His Thr Val
197 465             470                 475                 480
199 Pro Trp Asp Gln Leu Phe Arg Asn Pro His Gln Ala Leu Leu His Thr
200         485                 490                 495
202 Ala Asn Arg Pro Glu Asp Glu Cys Val Gly Glu Gly Leu Ala Cys His
203     500                 505                 510
205 Gln Leu Cys Ala Arg Gly His Cys Trp Gly Pro Gly Pro Thr Gln Cys
206     515             520                 525
208 Val Asn Cys Ser Gln Phe Leu Arg Gly Gln Glu Cys Val Glu Glu Cys
209 530             535                 540
211 Arg Val Leu Gln Gly Leu Pro Arg Glu Tyr Val Asn Ala Arg His Cys
212 545             550                 555                 560
214 Leu Pro Cys His Pro Glu Cys Gln Pro Gln Asn Gly Ser Val Thr Cys
215             565                 570                 575
```

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217 Phe Gly Pro Glu Ala Asp Gln Cys Val Ala Cys Ala His Tyr Lys Asp
218              580             585             590
220 Pro Pro Phe Cys Val Ala Arg Cys Pro Ser Gly Val Lys Pro Asp Leu
221          595             600             605
223 Ser Tyr Met Pro Ile Trp Lys Phe Pro Asp Glu Glu Gly Ala Cys Gln
224      610             615             620
226 Pro Cys Pro Ile Asn Cys Thr His Ser Cys Val Asp Leu Asp Asp Lys
227 625             630             635             640
229 Gly Cys Pro Ala Glu Gln Arg Ala Ser Pro Leu Thr Ser Ile Ile Ser
230              645             650             655
232 Ala Val Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly
233          660             665             670
235 Ile Leu Ile Lys Arg Arg Gln Gln Lys Ile Arg Lys Tyr Thr Met Arg
236          675             680             685
238 Arg Leu Leu Gln Glu Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly
239      690             695             700
241 Ala Met Pro Asn Gln Ala Gln Met Arg Ile Leu Lys Glu Thr Glu Leu
242 705             710             715             720
244 Arg Lys Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys
245              725             730             735
247 Gly Ile Trp Ile Pro Asp Gly Glu Asn Val Lys Ile Pro Val Ala Ile
248          740             745             750
250 Lys Val Leu Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu
251          755             760             765
253 Asp Glu Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg
254      770             775             780
256 Leu Leu Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val Thr Gln Leu
257 785             790             795             800
259 Met Pro Tyr Gly Cys Leu Leu Asp His Val Arg Glu Asn Arg Gly Arg
260              805             810             815
262 Leu Gly Ser Gln Asp Leu Leu Asn Trp Cys Met Gln Ile Ala Lys Gly
263          820             825             830
265 Met Ser Tyr Leu Glu Asp Val Arg Leu Val His Arg Asp Leu Ala Ala
266          835             840             845
268 Arg Asn Val Leu Val Lys Ser Pro Asn His Val Lys Ile Thr Asp Phe
269      850             855             860
271 Gly Leu Ala Arg Leu Leu Asp Ile Asp Glu Thr Glu Tyr His Ala Asp
272 865             870             875             880
274 Gly Gly Lys Val Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg
275          885             890             895
277 Arg Arg Phe Thr His Gln Ser Asp Val Trp Ser Tyr Gly Val Thr Val
278          900             905             910
280 Trp Glu Leu Met Thr Phe Gly Ala Lys Pro Tyr Asp Gly Ile Pro Ala
281          915             920             925
283 Arg Glu Ile Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu Pro Gln Pro
284      930             935             940
286 Pro Ile Cys Thr Ile Asp Val Tyr Met Ile Met Val Lys Cys Trp Met
287 945             950             955             960
289 Ile Asp Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu Val Ser Glu Phe
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290                 965                 970                 975
292 Ser Arg Met Ala Arg Asp Pro Gln Arg Phe Val Val Ile Gln Asn Glu
293                 980          .      985                 990
295 Asp Leu Gly Pro Ala Ser Pro Leu Asp Ser Thr Phe Tyr Arg Ser Leu
296         995                 1000                1005
298 Leu Glu Asp Asp Asp Met Gly Asp Leu Val Asp Ala Glu Glu Tyr Leu
299    1010                1015                1020
301 Val Pro Gln Gln Gly Phe Phe Cys Pro Asp Pro Ala Pro Gly Ala Gly
302 1025                1030                1035                1040
304 Gly Met Val His His Arg His Arg Ser Ser Ser Thr Arg Ser Gly Gly
305                 1045                1050                1055
307 Gly Asp Leu Thr Leu Gly Leu Glu Pro Ser Glu Glu Glu Ala Pro Arg
308         1060                1065                1070
310 Ser Pro Leu Ala Pro Ser Glu Gly Ala Gly Ser Asp Val Phe Asp Gly
311        1075                1080                1085
313 Asp Leu Gly Met Gly Ala Ala Lys Gly Leu Gln Ser Leu Pro Thr His
314    1090                1095                1100
316 Asp Pro Ser Pro Leu Gln Arg Tyr Ser Glu Asp Pro Thr Val Pro Leu
317 1105                1110                1115                1120
319 Pro Ser Glu Thr Asp Gly Tyr Val Ala Pro Leu Thr Cys Ser Pro Gln
320                 1125                1130                1135
322 Pro Glu Tyr Val Asn Gln Pro Asp Val Arg Pro Gln Pro Pro Ser Pro
323            1140                1145                1150
325 Arg Glu Gly Pro Leu Pro Ala Ala Arg Pro Ala Gly Ala Thr Leu Glu
326        1155                1160                1165
328 Arg Pro Lys Thr Leu Ser Pro Gly Lys Asn Gly Val Val Lys Asp Val
329    1170                1175                1180
331 Phe Ala Phe Gly Gly Ala Val Glu Asn Pro Glu Tyr Leu Thr Pro Gln
332 1185                1190                1195                1200
334 Gly Gly Ala Ala Pro Gln Pro His Pro Pro Pro Ala Phe Ser Pro Ala
335            1205                1210                1215
337 Phe Asp Asn Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala
338         1220                1225                1230
340 Pro Pro Ser Thr Phe Lys Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr
341        1235                1240                1245
343 Leu Gly Leu Asp Val Pro Val
344    1250                1255
347 <210> SEQ ID NO: 6
348 <211> LENGTH: 1210
349 <212> TYPE: PRT
350 <213> ORGANISM: HUMAN
352 <220> FEATURE:
353 <223> OTHER INFORMATION: human EGFR
355 <400> SEQUENCE: 6
356 Met Arg Pro Ser Gly Thr Ala Gly Ala Ala Leu Leu Ala Leu Leu Ala
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360            20                  25              30
362 Gly Thr Ser Asn Lys Leu Thr Gln Leu Gly Thr Phe Glu Asp His Phe
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VERIFICATION SUMMARY   DATE: 06/12/2001
PATENT APPLICATION: **US/09/674,975**   TIME: 11:48:48

Input Set : **A:\sequence.app**
Output Set: **N:\CRF3\06122001\I674975.raw**

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date